

MEMBERS

1. **Member**(Member_ID, M_fname, M_lname, M_Email, M_Phone, M_Address, Graduation_year, Major(s), Semester_joined, Applicant_ID⁶, Gender, Race)
 - a. **Executive_committee**(Member_ID¹, Semester, Position, Position_description)
 - b. **Consultant**(Member_ID¹, Semester, Project_name¹², Training_name(s)^{2e})
 - c. **Alumni**(Member_ID¹, Start_date, End_date, Grad_school_name, Organization_name³, Occupation, New_phone, New_email, Industry)
 - d. **Project_lead**(Member_ID¹, Semester, Project_name¹²)
 - e. **Chair**(Member_ID¹, Semester, Position, Position_description)
 - f. **Project_advisor**(Member_ID¹, Semester, Lead_ID¹⁰, Project_name¹²)
 - g. **Inactive**(Member_ID¹, Semester_inactive, Number_semesters_inactive, Number_semesters_active)

EVENTS

2. **Events**(Event_ID, Organizer¹, E_date, E_time, E_location, ASUC_sponsored, Est_attendance, Budget, Advertising_avenues)
 - a. **Recruiting**(Event_ID², Lead_member^{1a})
 - b. **Interview**(Event_ID², Applicant_ID⁶, Interview_ID^{1a})
 - c. **Meeting**(Event_ID², agenda)
 - d. **Social**(Event_ID², alumni_invited)
 - e. **Training**(Event_ID², training_name, presenter¹)
 - f. **Other**(Event_ID², Other_name)

ORGANIZATIONS

3. **Organization**(Organization_ID, o_name, o_address, o_phone, o_email)
 - a. **Client**(Client_Organization_ID³, Source_Ref)
 - i. **Active_client**(Act_Organization_ID³, active_date, comments(s))
 - ii. **Applied_client**(App_Organization_ID³, application_date, application_status, comment(s), reviewed_by)
 - iii. **Past_client**(Organization_ID³, date_last_active, comment(s), growth_metric)
 - b. **Sponsor**(Organization_ID³, type)
 - c. **Other**(Organization_ID³, comment(s))

TRANSACTIONS

5. **Transaction**(Transaction_ID, amount, Member_ID¹, purpose, date_logged)
 - a. **Expenditure**(Transaction_ID⁵, date_spent, date_reimbursed)
 - b. **Revenue**(Transaction_ID⁵, date_given)

DECKS

4. **Deck**(Deck_ID, title, author(s), date)
 - a. **Internal**(Deck_ID⁴, type, event_created_for²)
 - b. **Final_client_presentation**(Deck_ID⁴, Project_ID¹², Organization_ID³, location, comment(s))

APPLICANTS

6. **Applicant**(Applicant_ID, A_fname, A_lname, A_Email, A_Phone, A_Address, Graduation_year, Major(s), GPA, No_Apps, Status, Teamwork_Score, Presentation_Score, Quant_Score, Nonprofit_Score, Compatibility_Score)
7. **Application**(Application_ID, Applicant_ID⁶, File_type, Application_attachment, Source_Ref)
8. **Resume**(Resume_ID, Applicant_ID⁶, File_type, Resume_attachment)
9. **Cover_letter**(CL_ID, Applicant_ID⁶, File_type, CL_attachment)
10. **Transcript**(Transcript_ID, Applicant_ID⁶, File_type, Transcript_attachment)

MEMBERS

1. **Member**(Member_ID, M_fname, M_lname, M_Email, M_Phone, M_Address, Graduation_year, Semester_joined, Applicant_ID⁶, Gender, Race, Status)

- a. **Executive_committee**(Member_ID¹, Semester, Position, Position_description)
- b. **Consultant**(Member_ID¹, Semester, Project_name¹²)
- c. **Alumni**(Member_ID¹, Start_date, End_date, Grad_school_name, Organization_name³, Occupation, New_phone, New_email, Industry)
- d. **Project_lead**(Member_ID¹, Semester, Project_name¹²)
- e. **Chair**(Member_ID¹, Semester, Position, Position_description)
- f. **Project_advisor**(Member_ID¹, Semester, Lead_ID¹⁰, Project_ID¹²)
- g. **Inactive**(Member_ID¹, Semester_inactive, Number_semesters_inactive, Number_semesters_active)

ORGANIZATIONS

3. **Organization**(Organization_ID, o_name, o_address, o_phone, o_email)

- a. **Client**(Client_Organization_ID³, Source_Ref)
 - i. **Active_client**(Act_Organization_ID³, active_date, comments(s))
 - ii. **Applied_client**(App_Organization_ID³, application_date, application_status, comment(s), reviewed_by)
 - iii. **Past_client**(Organization_ID³, date_last_active, comment(s), growth_metric)
- b. **Sponsor**(Organization_ID³, type)
- c. **Other**(Organization_ID³, comment(s))

EVENTS

2. **Events**(Event_ID, Organizer¹, E_date, E_time, E_location, ASUC_sponsored, Est_attendance, Budget, Advertising_avenues)

- a. **Recruiting**(Event_ID², Lead_member^{1a})
- b. **Interview**(Event_ID², Applicant_ID⁶, Interview_ID^{1a})
- c. **Meeting**(Event_ID², agenda)
- d. **Social**(Event_ID², alumni_invited)
- e. **Training**(Event_ID², training_name, presenter¹)
- f. **Other**(Event_ID², Other_name)

DECKS

4. **Deck**(Deck_ID, title, date)

- a. **Internal**(Deck_ID⁴, type, event_created for²)
- b. **Final_client_presentation**(Deck_ID⁴, Project_ID¹², Organization_ID³, location, feedback)

TRANSACTIONS

5. **Transaction**(Transaction_ID, amount, Member_ID¹, purpose, date_logged)

- a. **Expenditure**(Transaction_ID⁵, date_spent, date_reimbursed)
- b. **Revenue**(Transaction_ID⁵, date_given)

APPLICANTS

6. **Applicant**(Applicant_ID, A_fname, A_Iname, A_Email, A_Phone, A_Address, Graduation_year, Major(s), GPA, No_Apps, Status, Teamwork_Score, Presentation_Score, Quant_Score, Nonprofit_Score, Compatibility_Score)
7. **Application**(Application_ID, Applicant_ID⁶, File_type, Application_attachment, Source_Ref)
8. **Resume**(Resume_ID, Applicant_ID⁶, File_type, Resume_attachment)
9. **Cover_letter**(CL_ID, Applicant_ID⁶, File_type, CL_attachment)
10. **Transcript**(Transcript_ID, Applicant_ID⁶, File_type, Transcript_attachment)

APPAREL

11. **Apparel**(Apparel_ID, type, order_cost, sale_price, manufacturer, Purchaser_ID¹)

PROJECTS

12. **Project**(Project_ID, p_name, Organization_ID³, Project_Lead_ID^{1D}, project_member(s)¹, semester, final_deck⁴, comment(s))

MULTIVALUED ATTRIBUTES

31. **M_Majors**(Member_ID¹, M_Major)
32. **Traning_names**(Member_ID¹, Training_name)
33. **Authors**(Deck_ID⁴, Author)
34. **A_Majors**(Applicant_ID⁶, Major)
35. **Advertising_avenues**(Event_ID², Avenue)
36. **Project_members**(Project_ID¹², project_member)

RELATIONSHIPS

13. **Leads**(Member_ID^{1B}, Event_ID^{2E}, Date, Training_deck, Semester)
14. **Plans**(Member_ID^{1A}, Event_ID^{2B}, Scheduling_system, Location, Semester)
15. **Facilitates**(Member_ID^{1A}, Event_ID^{2C}, Planning_resources, Meeting_deck)
16. **Spearheads**(Member_ID^{1A}, Event_ID^{2A}, Recruiting_role, Hours_contributed, Date)
17. **Member_Attends**(Member_ID¹, Event_ID², Date, Clock-in, Clock-out)
18. **Applicant_Attends**(Applicant_ID⁶, Event_ID², Date, Referral_source)
19. **Works_On**(Member_ID¹, Project_ID¹², Start_date, End_date, Semester)
20. **Utilizes**(Event_ID^{2E}, Deck_ID^{4A}, Creation_date, Update_date, Semester)
21. **Made_for**(Project_ID¹², Organization_ID^{3A}, Project_scope, Semester, Contact)
22. **Spends**(Member_ID^{1E}, Transaction_ID^{5A}, Item, Price, Quantity, Money_source)
23. **Member_Generates**(Member_ID¹, Transaction_ID^{5B}, exp_type, date, semester)
24. **Donates**(Organization_ID^{3B}, Transaction_ID⁵, type, amount, date, semester)
25. **Org_Attends**(Organization_ID³, Event_ID², date, representative)
26. **App_Generates**(Transaction_ID^{5B}, Apparel_ID¹¹, type, amount)
27. **Org_Generates**(Transaction_ID^{5B}, Organization_ID³, amount, type)
28. **Becomes**(App_Organization_ID^{3aii}, Act_Organization_ID^{3ai}, sem_Accepted)
29. **Consultant_Rank**(Project_lead^{1D}, Consultant^{1B}, Rank, Semester)
30. **Project_Rank**(Consultant^{1B}, Project_lead¹², Project, Rank, Semester)

MEMBERS

1. **Member**(Member_ID, M_Fname, M_Lname, M_Email, M_Phone, M_Address, Graduation_year, Semester_joined, Applicant_ID⁶, Gender, Status)
 - a. **Executive_committee**(Executive_ID¹, Semester, Position)
 - i. **Exec_Position**(Position, Position_description)
 - b. **Consultant**(Consultant_ID¹, Project_ID¹²)
 - c. **Alumni**(Alumni_ID¹, Start_date, End_date, Grad_School_Name, Organization_name³, Occupation, New_phone, New_email)
 - d. **Project_lead**(Project_Lead_ID¹, Project_ID¹²)
 - e. **Chair**(Chair_ID¹, Semester, Position)
 - i. **Chair_Position**(Position, Position_description)
 - f. **Project_Advisor**(Project_Advisor_ID¹, Project_ID¹²)
 - g. **Inactive**(Inactive_ID¹, Semester_inactive, Number_Semesters_Inactive, Number_Semesters_Active)

ORGANIZATIONS

3. **Organization**(Organization_ID, O_Name, O_Address, O_Phone, O_Email)
 - a. **Client**(Client_Organization_ID³, Source_Ref)
 - i. **Active_client**(Act_Organization_ID³, Active_Date)
 - ii. **Applied_client**(App_Organization_ID³, Application_date, Application_status)
 - iii. **Past_client**(Organization_ID³, Date_Last_Active, Growth_etric)
 - b. **Sponsor**(Organization_ID³, Type)
 - c. **Org_Other**(Organization_ID³, Type)
 - d. **Org_Industry**(Organization_ID³, Industry)

EVENTS

2. **Events**(Event_ID, Organizer¹, E_Date, E_Time, E_Location, ASUC_Sponsored, Est_Attendance, Budget)
 - a. **Recruiting**(Event_ID², Lead_Member_ID^{1a})
 - b. **Interview**(Event_ID², Applicant_ID⁶, Interview_ID^{1a})
 - c. **Meeting**(Event_ID², Agenda)
 - d. **Social**(Event_ID², Transportation_type)
 - e. **Training**(Event_ID², Training_name, Presenter¹)
 - f. **Other**(Event_ID², Other_name)

DECKS

4. **Deck**(Deck_ID, Title, Date)
 - a. **Internal**(Deck_ID⁴, Type, Event_Created_For²)
 - b. **Final_client_presentation**(Deck_ID⁴, Project_ID¹², Organization_ID³, Location, Feedback)

TRANSACTIONS

5. **Transaction**(Transaction_ID, Amount, Member_ID¹, Purpose, Date_Logged)
 - a. **Expenditure**(Transaction_ID⁵, Date_Spent, Date_Reimbursed)
 - b. **Revenue**(Transaction_ID⁵, Date_Given)

APPAREL

6. **Apparel**(Apparel_ID, Type, Order_Cost, Sale_Price, Manufacturer, Purchaser_ID¹)

APPLICANTS

7. **Applicant**(Applicant_ID, A_fname, A_Iname, A_Email, A_Phone, A_Address, Graduation_year, Major(s), GPA, No_Apps, Status, Teamwork_Score, Presentation_Score, Quant_Score, Nonprofit_Score, Compatibility_Score)
8. **Application**(Application_ID, Applicant_ID⁶, File_type, Application_attachment, Source_Ref)
9. **Resume**(Resume_ID, Applicant_ID⁶, File_type, Resume_attachment)
10. **Cover_Letter**(CL_ID, Applicant_ID⁶, File_type, CL_attachment)
11. **Transcript**(Transcript_ID, Applicant_ID⁶, File_type, Transcript_attachment)

PROJECTS

12. **Project**(Project_ID, Semester, P_Name, Organization_ID³, Project_Lead_ID^{1D}, Final_Deck⁴)

MULTIVALUED ATTRIBUTES

31. **M_Majors**(Member_ID¹, M_Major)
32. **M_Race**(Member_ID¹, M_Race)
33. **Authors**(Deck_ID⁴, Member_ID¹)
34. **A_Majors**(Applicant_ID⁶, Major)
35. **Advertising_Avenues**(Event_ID², Avenue)
36. **Project_Members**(Project_ID¹², Member_ID¹)
37. **Org_Comments**(Organization_ID³, Comment, Comment_Date)
38. **Project_Comments**(Project_ID¹², Comment, Comment_Date)
39. **Client_App_Reviewers**(App_Organization_ID^{3Aii}, Member_ID¹)
40. **Alumni_Invited**(Social_ID^{2D}, Alumni_ID^{1c})

RELATIONSHIPS

13. **Leads**(Consultant_ID^{1B}, Training_ID^{2E}, Training_Deck)
14. **Plans**(Executive_ID^{1A}, Interview_ID^{2B}, Scheduling_System)
15. **Facilitates**(Executive_ID^{1A}, Meeting_ID^{2C}, Planning_Resource, Meeting_Deck)
16. **Spearheads**(Executive_ID^{1A}, Recruiting_ID^{2A}, Recruiting_Role, Hours_Contributed)
17. **Member_Attends**(Member_ID¹, Event_ID², Clock-In, Clock-Out)
18. **Applicant_Attends**(Applicant_ID⁶, Event_ID², Referral_Source)
19. **Works_On**(Consultant_ID¹, Project_ID¹², Start_Date, End_Date)
20. **Utilizes**(Training_ID^{2E}, Int_Deck_ID^{4A}, Creation_Date, Update_Date)
21. **Made_For**(Project_ID¹², Client_ID^{3A}, Project_Scope, Semester, Contact)
22. **Spends**(Chair_ID^{1E}, Expenditure_ID^{5A}, Item, Price, Quantity, Money_Source)
23. **Member_Generates**(Member_ID¹, Revenue_ID^{5B}, Rev_Type)
24. **Donates**(Sponsor_ID^{3B}, Revenue_ID^{5B}, Rev_type)
25. **Org_Attends**(Organization_ID³, Event_ID², Representative)
26. **App_Generates**(Revenue_ID^{5B}, Apparel_ID¹¹)
27. **Org_Generates**(Revenue_ID^{5B}, Organization_ID³, Rev_Type)
28. **Becomes**(App_Organization_ID^{3Aii}, Act_Organization_ID^{3Ai}, Sem_Accepted)
29. **Consultant_Rank**(Project_Lead_ID^{1D}, Consultant_ID^{1B}, Semester, Rank)
30. **Project_Rank**(Consultant_ID^{1B}, Project_ID¹², Rank)

SEMESTER

41. **Date_Translate**(Date, Semester)